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LIST OF PUBLICATIONS  
OF THE UNITED STATES  
BUREAU OF EDUCATION  
AVAILABLE FOR FREE DISTRIBUTION

OCTOBER, 1911



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1911

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## LETTER OF TRANSMITTAL

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DEPARTMENT OF THE INTERIOR,

BUREAU OF EDUCATION,

*Washington, September 28, 1911.*

SIR: The Bureau of Education at present has in stock, available for distribution, a considerable number of its publications of various dates, which should be of great service to teachers, school officials, librarians, and others interested in educational subjects. In order to bring this material to the notice of those persons to whom it is of value and into circulation, I have had compiled in the library division of this office a classified and annotated list, brought down to date, which is herewith transmitted for publication. Previous lists of publications of the bureau have presented a complete record, without annotations, of all titles issued, including those out of print.

Very respectfully,

P. P. CLAXTON, *Commissioner*

The SECRETARY OF THE INTERIOR.

#### EXPLANATORY NOTE.

This bulletin names and describes the publications of the Bureau of Education which, at the time of its compilation (October, 1911), are available for free distribution by this office. Requests for titles from this list will be filled as long as the publications desired continue in stock, but it should be understood that the supply of many, especially earlier issues, is scant and likely soon to be exhausted. Many publications of the bureau, which can no longer be supplied by this office, may be purchased from the Superintendent of Documents, Washington, and are named in his Price List 31, Government publications relating to education. For a complete record of publications of this bureau, 1867-1910, its Bulletin, 1910, No. 3, should be consulted.

Publications in the following list should be ordered by publication number, which precedes each main entry, and is also given in parentheses after titles of reprints in the tables of contents of the reports. Separates of chapters or of sections of the reports should be requested by chapter number or by title. From the report for 1894-95 to that for 1910, inclusive, the commissioner's introduction and individual chapters listed can at present be supplied in separate form, except in cases indicated by an asterisk (\*), which precedes sections and chapters not available for free distribution. No sections or chapters from reports prior to that for 1894-95 can be separately furnished, excepting reprints which are specifically mentioned in part IV of this list.

Many of these publications are of great value to teachers, students of education, librarians, and people having a general interest in education and the improvement of public and private schools.

# **LIST OF PUBLICATIONS OF THE UNITED STATES BUREAU OF EDUCATION AVAILABLE FOR FREE DISTRIBUTION, OCTOBER, 1911.**

## **I. ANNUAL STATEMENTS OF THE COMMISSIONER.**

[An account of the operations of the Bureau for each fiscal year.]

|     |      |          |                  |       |
|-----|------|----------|------------------|-------|
| 180 | 1891 | (Harris) | Washington, 1891 | 21 p. |
| 189 | 1892 | (Harris) | Washington, 1892 | 21 p. |
| 204 | 1893 | (Harris) | Washington, 1893 | 25 p. |
| 219 | 1895 | (Harris) | Washington, 1895 | 27 p. |
| 230 | 1896 | (Harris) | Washington, 1896 | 31 p. |
| 245 | 1898 | (Harris) | Washington, 1898 | 32 p. |
| 259 | 1899 | (Harris) | Washington, 1899 | 47 p. |
| 266 | 1900 | (Harris) | Washington, 1900 | 49 p. |
| 277 | 1901 | (Harris) | Washington, 1901 | 45 p. |
| 285 | 1902 | (Harris) | Washington, 1902 | 41 p. |
| 333 | 1903 | (Harris) | Washington, 1903 | 39 p. |
| 351 | 1905 | (Harris) | Washington, 1905 | 48 p. |
| 378 | 1907 | (Brown)  | Washington, 1907 | 48 p. |
| 413 | 1909 | (Brown)  | Washington, 1909 | 44 p. |
| 441 | 1910 | (Brown)  | Washington, 1910 | 40 p. |

## **II. ANNUAL REPORTS.**

### 4. 1871 (Eaton) Washington, 1872. 715 p.

CONTENTS: Report of the Commissioner, p. 1-64. Appendix: [1] Abstracts from the official reports of school officers of states, territories, and cities, with other additional information, p. 65-431. [2] General condition of education among the Indians, p. 402-411. [3] Educational conventions and institutes, p. 412-426. [4] C. C. Gilman: National schools of science, p. 427-444. [5] Education of the blind, p. 445-448. [6] Education of the deaf and dumb, p. 449-472. [7] Annual review of education in foreign countries, p. 454-501. [8] Education in foreign countries aided by American efforts, p. 502-506. [9] J. F. Meyers: Educational methods in Germany, p. 507-510. [10] Anna T. Smith: Progress of education for women, p. 511-518. [11] D. O. C. Townley: Cooper union, p. 519-525. [12] L. J. Hinton: Education of artisans, p. 526-535. [13] Elizabeth P. Peabody: The objects of the kindergarten, p. 529-533. [14] E. F. Tourjee: Musical education in common schools, p. 536-547. [15] The relation of education to insanity, p. 548-547. [16] A. S. Fiske: Relation of education to crime, p. 548-552. [17] J. J. Nash: The press as an educator, p. 553-570. [18] General school statistics of the United States, p. 571-570.

### 5. 1872 (Eaton) Washington, 1873. lxxxviii, 1018 p.

CONTENTS: Report of the Commissioner of education, p. lxxxviii. Appendix: [1] Abstracts of the official reports of school officers of states, territories, and cities, with other additional information, p. 3-404. [2] General condition of education among the Indians, p. 405-418. [3] Educational conventions and institutes, p. 419-429. [4] Education of the deaf and dumb, p. 430-432. [5] Education of the blind, p. 433-436. [6] Annual review of education in foreign countries, p. 437-564. [7] C. J. Lyons: Education in the Hawaiian Islands, p. 567-571. [8] Edward Jarvis: The value of common-school education to common labor, p. 572-585. [9] E. D. Mansfield: The relation between crime and education, p. 586-585. [10] E. D. Mansfield: The relation between education and pauperism, p. 596-602. [11] M. B. Anderson: Suggestions respecting art-training in American colleges, p. 603-607. [12] Educational statistics for the year 1872, p. 608-940. [13] Statistics derived from the census of 1870, p. 941-997.

6. 1873 (Eaton) Washington, 1875. clxxviii, 870 p.

CONTENTS: Report of the Commissioner of education, p. v-clxxviii. Appendix: [1] Abstracts of the official reports of school officers of states, territories, and cities, with other additional information, p. 3-468. [2] Education among the Indians, p. 469-480. [3] Educational work of Sunday-schools and foreign missions, p. 481-482. [4] Educational conventions and institutes, p. 483-491. [5] C. O. Thompson: Art education, p. 495-498. [6] E. M. Gallaudet: On the instruction of deaf-mutes, p. 499-504. [7] J. F. Meyers: Industrial training for girls, with practical lessons in household-economics, as taught in Germany, p. 505-508. [8] Statistics of education for the year 1873, p. 509-850.

7. 1874 (Eaton) Washington, 1875. clii, 935 p.

CONTENTS: Report of the Commissioner of education, p. v-clii. Appendix: [1] Abstracts of the official reports of school officers of states, territories, and cities, with other additional information, p. 5-505. [2] Education among the Indians, p. 506-516. [3] Educational conventions and institutes, p. 517-522. [4] Statistics of education for the years 1874, p. 523-914.

8. 1875 (Eaton) Washington, 1876. clxxiii, 1016 p.

CONTENTS: Report of the Commissioner of education, p. vii-clxxiii. Appendix: [1] Abstracts of the official reports of school officers of states, territories, and cities, with other additional information, p. 5-518. [2] Education among the Indians, p. 519-528. [3] Educational conventions and associations, p. 529-544. [4] Education in Sunday schools and mission schools, p. 545. [5] Statistics of education for the year 1875, p. 548-997.

11. 1878 (Eaton) Washington, 1880. cci, 730 p.

CONTENTS: Report of the Commissioner of education, p. vii-cci. [Appendix] [1] Abstracts of the official reports of the school officers of states, territories, and cities, with other additional information, p. 5-526. [2] Educational associations, p. 297-301. [3] Education in Sunday schools, p. 302. [4] Statistics of education for the year 1878, p. 303-721.

14. 1881 (Eaton) Washington, 1883. cclxxvii, 840 p.

CONTENTS: Report of the Commissioner of education, p. v-cclxxvii. [Appendix] [1] Abstracts of the official reports of the school officers of states, territories, and cities, with other additional information, p. 4-307. [2] Educational associations and conventions, p. 308-318. [3] Statistics of education for the year 1881, p. 319-831.

15. 1882-83 (Eaton) Washington, 1884. ccxciii, 872 p.

CONTENTS: Report of the Commissioner of education, p. v-ccxciii. [Appendix] [1] Abstracts of the official reports of the school officers of states, territories, and cities, with other additional information, p. 4-307. [2] Educational associations and conventions, p. 308-314. [3] Statistics of education for the year 1882, p. 315-862.

16. 1883-84 (Eaton) Washington, 1885. cclxxi, 943 p.

CONTENTS: Report of the Commissioner of education, p. v-cclxxi. [Appendix] [1] Abstracts of the official reports of the school officers of states, territories, and cities, with other additional information, p. 4-309. [2] Educational associations and conventions, p. 310-314. [3] Statistics of education for the year 1884, p. 315-935.

17. 1884-85 (Eaton) Washington, 1886. ccxcvii, 848 p.

CONTENTS: Report of the Commissioner of education, p. v-ccxcvii. [Appendix] [1] Abstracts of the official reports of the school officers of states, territories, and cities, with other information, p. 4-317. [2] Educational associations and conventions, p. 318-325. [3] Statistics of education for the year 1884-85, p. 328-837. (Statistics of public libraries in the United States, p. 691-782. Reprinted, with p. ccxxix-ccxxx, pub. no. 143.)

18. 1885-86 (Dawson) Washington, 1887. xxi, 792 p.

CONTENTS: Report of the Commissioner of education, p. ix-xxi. Appendixes: [1] State school systems, including summary of constitutional and legal provisions relating to education in the several states and territories, p. 5-214. [2] City-school systems, p. 217-304. [3] Training of teachers, p. 307-330. [4] Kindergartens, p. 333-356. [5] Secondary instruction, p. 359-436. [6] Superior and professional instruction, p. 439-693. [7] Special training, p. 596-629. [8] Education of special classes, p. 632-660. [9] Miscellaneous (educational benefactions, publications, and periodicals; public libraries, necrology) p. 662-721. [10] Education in foreign countries, p. 725-740. [11] H. B. Adams: The promotion of higher political education, p. 743-747. [12] H. B. Adams: University extension in England, p. 748-749. [13] Schools in Alaska, p. 750-753.

## 19. 1886-87 (Dawson) Washington, 1888. 1170 p.

CONTENTS (chapters): 1. The Commissioner's statement, p. 11-49. 2. Statistics of state common-school systems, p. 51-93. 3. Digests of state school reports, p. 94-172. 4. Discussions of educational questions by state superintendents and others, p. 173-222. 5. City-school systems, p. 223-395. 6. Training of teachers, p. 396-465. 7. Kindergartens, p. 466-493. 8. Secondary instruction, p. 494-641. 9. Superior instruction, p. 642-734. 10. Professional instruction, p. 735-775. 11. Degrees conferred, p. 776-781. 12. Manual and industrial training, p. 782-800. 13. Business colleges; nurses' training schools, p. 800-817. 14. Training of special classes, p. 818-881. 15. Noteworthy gifts and bequests to education, p. 882-887. 16. Obituary list of notable educators and benefactors to education, p. 888-893. 17. Educational associations and conventions, p. 894-900. 18. Libraries in the United States, p. 901-972. 19. Educational periodicals, p. 973-979. 20. Education in foreign countries, p. 980-1004. 21. Papers on educational subjects—C. W. Elliot: Can school programmes be shortened and enriched? p. 1005-1014. J. W. Holcombe: The high school question, p. 1015-1017. George Stewart: The *raison d'être* of the public high school, p. 1017-1022. Charles Warren: Medical colleges and the medical profession, p. 1023-1030. 22. Index to the publications of the United States Bureau of education, from 1868 to 1887, p. 1031-1108.

## 20. 1887-88 (Dawson) Washington, 1889. 1209 p.

CONTENTS (chapters): 1. The Commissioner's executive statement, p. 1-17. 2. The Commissioner's educational statement, p. 18-60. 3. State common school statistics, p. 61-88. 4. Digests of state school reports, p. 89-156. 5. Discussions of educational questions, chiefly by state superintendents, p. 157-180. 6. Alaska, p. 181-194. 7. Discussion of questions relating to city school systems, p. 195-227. 8. Statistics of city school systems, p. 228-378. 9. The training of teachers, p. 379-480. 10. Secondary instruction, p. 481-582. 11. Superior instruction, p. 583-755. 12. Professional instruction, p. 756-806. 13. Degrees conferred, p. 807-815. 14. Kindergartens, p. 816-824. 15. Manual and industrial training, p. 825-926. 16. Commercial and business colleges; nurses' training schools, p. 927-943. 17. Education of special classes, p. 944-1004. 18. Educational periodicals, p. 1005-1011. 19. Education in foreign countries, p. 1012-1030. 20. Papers on educational subjects, p. 1031-1049 (Melvil Dewey: Libraries as related to the educational work of the state, p. 1031-1039. G. W. Knight: Higher education in the Northwest territory, p. 1039-1047). 21. State teachers' reading circles, p. 1050-1074. 22. Obituary list of notable educators, p. 1075-1084. Appendix—J. H. Kentley: Report on the Sitka industrial training school, p. 1087-1092. Additional digests of state school reports, p. 1093-1113. Record of work accomplished by the Bureau of education, from August 5, 1886, to September 3, 1889, p. 1114-1120.

## 181. 1888-89 (Harris) Washington, 1891. V. 1, ix, 669 p.

## 182. Same. V. 2, vi, 671-1669 p.

CONTENTS: Volume 1. The Commissioner's introduction, p. xv-liv. Chapters: Part I. General and comparative exhibit of education in the United States and foreign countries. 1. General statistical exhibit of education in the United States, p. 1-31. 2. A comparison of the schools of the United States, Germany, and France, p. 32-77. 3. Detailed view of the educational system of England, p. 78-111. 4. The educational system of France, p. 112-149. 5. Bird's-eye view of the schools of Germany, Austria, Hungary, and Switzerland, p. 150-181. 6. The school system of Italy, p. 182-195. 7. Education in Sweden and Finland, p. 196-235. 8. Education in Spain, p. 236-247. 9. Education in Brazil, p. 248-262. 10. Name register, p. 263-274. Part II. Normal schools, manual training schools, courses of study, etc. 11. The inception and the progress of the American normal-school curriculum to 1880, p. 275-318. 12. The teaching force of New England from 1866 to 1888, p. 319-346. 13. Professional work in the normal schools of the United States, p. 347-368. 14. The "new plan" of the trustees of the Peabody fund, in 1878, p. 369-372. 15. Course of study in public elementary schools of cities, p. 373-410. 16. Wellford Addis: Manual and industrial training, p. 411-428. 17. Religious instruction in public schools, p. 429-463. 17A. P. Voss: Coeducation of the sexes, p. 464-469. 18. Compulsory attendance laws in the United States, p. 470-531. 19. State text-book laws and systems, p. 532-578. 20. Powers of city school boards with regard to school sites and buildings, p. 579-587. 21. Discussions of educational questions, chiefly by school officers, p. 588-644. 21A. R. G. Moulton: The university of the future, p. 645-648. 21B. Fellowships in colleges and universities, p. 649-654. 21C. J. H. Thiry: School savings banks, p. 655-669.

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183. Part I of the Report of the Commissioner of education for the year 1888-89, with the Commissioner's introduction and table of contents of Parts I, II, III. Special edition. Washington, 1891. lix, 274 p.
198. 1889-90 (Harris) Washington, 1893. V. 1, xxvii, 601 p.
199. Same. V. 2, vii, 603-1724 p.
- CONTENTS: Volume 1. The Commissioner's introduction, p. xvi-xxvii. Part I. Chapters: 1. Statistical exhibit of education in the United States for the year 1889-90, p. 1-40. 2. W. H. Widgery: Report on the educational congresses and exhibition held in Paris in 1889, p. 41-142. 3. Edmond Drouin-Brisac: The international congress of secondary and superior education held at Paris, 1889, p. 143-186. 4. Anna T. Smith: Educational system of Scotland, p. 187-236. 5. Anna T. Smith: Historical survey of education in Scotland prior to the establishment of the present system, p. 212-236. 6. Anna T. Smith: Educational system of England and operations for 1889-90, p. 237-248. 7. Anna T. Smith: Educational system of France and operations for 1888-89, p. 249-261. 8. Anna T. Smith: Elementary education in London and Paris, p. 262-289. 9. L. R. Klemm: Education in Germany, p. 281-311. 10. C. H. Thurber: The higher schools of Prussia and the school conference of 1890, p. 313-418. 11. L. R. Klemm: Education in Austria-Hungary in 1889-90, p. 419-454. 12. L. R. Klemm: Brief statement of the school system of Prussia, p. 455-464. 13. L. R. Klemm: Brief statement of the school system of Austria, p. 465-474. 14. Frances G. French: The educational system of Norway, p. 475-517. 15. Frances G. French: Educational system of Denmark, p. 519-548. 16. L. R. Klemm: Education in Europe and America, p. 549-560. 17. Foreign universities, p. 561-572. 18. Social pathology and education, p. 573-590. 19. Name register, p. 591-601.
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207. 1890-91 (Harris) Washington, 1894. V. 1, xxx, 654 p.
208. Same. V. 2, 655-1549 p.
- CONTENTS: Volume 1. The Commissioner's introduction, p. ix-xxx. Chapters: Part I. 1. Statistics of state common school systems, p. 1-44. 2. Sir Robert Stout: Secondary education in New Zealand, p. 45-94. 3. Anna T. Smith: Education in France, p. 95-124. 4. Anna T. Smith: Brief view of the educational systems of England and Scotland, and operations for 1890-91, p. 125-134. 5. Anna T. Smith: Provision for secondary and for technical instruction in Great Britain, p. 135-150. 6. Anna T. Smith: Educational system of Ireland, p. 151-194. 7. Industrial and technical education in central Europe, p. 195-194. 8. Frances G. French: Education in Russia, p. 195-262. 9. Frances G. French: The educational system of Japan, p. 263-317. 10. Alexander Oldrink: Education in Italy, p. 319-339. 11. P. K. Soh: Education in Korea, p. 341-363. 12. John Eaton: Education in Hawaii, p. 365-373. 13. Legal education in the United States, p. 376-445. 14. Legal education in Europe, p. 447-547. 15. Legal education in Canada, Australia, Spanish America, Japan, and China, p. 549-563. 16. Wellford Addis: Bibliography of legal education, p. 565-578. 17. R. H. Alvey: Colleges of agriculture and the mechanic arts, p. 579-654.
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Boykin: Class intervals in city public schools, p. 981-1009. 28. Educational statistics: reports made to the Department of superintendence of the National educational association by its Committee on school statistics (W. T. Harris, chairman) p. 1011-1029. 29. Discussions of current educational questions, p. 1031-1079. 30. Francis Warner: Report to the British medical association and charity organization society of London on the physical and mental condition of 50,000 children seen in 106 schools of London, p. 1081-1138. 31. W. O. Krohn: Facilities in experimental psychology in the colleges of the United States, p. 1139-1151. Part III. Statistical tables, p. 1155-1515.

211. 1891-92 (Harris) Washington, 1894. V. 1, xxviii, 636 p.

212. Same. V. 2, v, 637-1294 p.

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217. 1892-93 (Harris) Washington, 1895. V. 1, ix, 1224 p.

218. Same. V. 2, v, 1225-2153 p.

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221. 1893-94 (Harris) Washington, 1896. V. 1, xlvii, 1061 p.

222. Same. V. 2, 1063-2290 p.

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227. 1894-95 (Harris) Washington, 1896. V. 1, lvii, 1152 p. (not available as volume).

228. Same. V. 2, v, 1153-2314 p.

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\*Not separately available.

233. 1895-96 (Harris) Washington, 1897. V. 1, lxxv, 965 p.

234. Same. V. 2, vii, 967-2173 p.

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238. 1896-97. (Harris) Washington, 1898. V. 1, lxxx, 1136 p.

239. Same. V. 2, vii, 1137-2390 p.

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\* Not separately available.

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257. 1897-98. (Harris) Washington, 1899. V. 1, cxx, 1280 p. (not available as volume).

258. Same. V. 2, vii, 1281-2640 p. (not available as volume).

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[Chapter 11 deals with an important historical topic; chapter 13 traces English, French, and German influence on American education.]

260. 1898-99. (Harris) Washington, 1900. V. 1, xcii, 1248 p.

261. Same. V. 2, viii, 1249-2518 p.

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275. 1899-1900. (Harris) Washington, 1901. V. 1, lxxx, 1280 p.  
276. Same. V. 2, vii, 1281-2648 p.

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\* Not separately available.



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[Chapter 2, The development of English secondary schools for boys, is in two parts—1, From the fourteenth to the nineteenth century; 2, The century of reform. Chapter 3, Truant schools, is both historical and descriptive. Chapter 8, Papers of the Department of superintendence, 1900, contains: N. M. Butler, Status of education at the close of the century; Aaron Gove, The trail of the city superintendent; E. A. Alderman, Obligations and opportunities of scholarship; W. O. Atwater, Alcohol physiology and superintendence. The section of education at the Paris exposition of 1900 is described in chapter 30.]

287. 1900-1901 (Harris) Washington, 1902. V. 1, cxii, 1216 p.

288. Same, V. 2, vii, 1217-2512 p.

CONTENTS. Volume 1. \*The Commissioner's introduction, p. ix-cxii. Chapters: 1. Education in central Europe, p. 1-28. 2. Mary L. Hinsdale: A legislative history of the public school system of the state of Ohio, p. 129-159. \*3. Consolidation of schools and transportation of pupils, p. 161-213. \*4. American industrial education: What shall it be? p. 215-234. \*5. Educational pathology, p. 235-262. 6. Patrick Geddes: International association for the advancement of science, arts, and education, p. 263-304. \*7. Educational training for railroad service, p. 305-323. 8. Frederic Burk: From fundamental to accessory in the development of the nervous system and of movements, p. 335-344. 9. H. S. Curtis: Inhibition, p. 345-356. \*10. A. D. Mayo: The common school in the Southern states beyond the Mississippi river, from 1830-1840, p. 357-401. \*11. Common school education in the South from the beginning of the Civil war to 1870-1876, p. 403-490. \*12. E. S. Joyner: Letter concerning the establishment of a normal school for the women of Virginia, p. 491-507. 13. Education in the South, p. 509-530. \*14. L. Viereck: German instruction in American schools, p. 531-708. \*15. The first comprehensive attempts at child study, p. 709-729. \*16. Kelly Miller: The education of the negro, p. 731-859. 17. Foster Watson: Notices of some early English writers on education, p. 861-884. 18. Third annual conference of the Association of Catholic colleges, p. 885-908. 19. Education in Great Britain and Ireland, 1900-1901, p. 909-1008. 20. C. W. Dabney: The public school problem in the South, p. 1009-1026 (pub. no. 290). 21. Temperance instruction, p. 1027-1050. 22. C. D. Walcott: Relations of the National government to higher education and research, p. 1051-1065. 23. The Carnegie Institution of Washington, D. C., p. 1067-1080. 24. Education in France, p. 1081-1136. 25. Higher commercial education, p. 1137-1182. 26. List of educational periodicals in the United States, p. 1183-1187. 27. Educational directory, p. 1189-1216.

Volume 2. \*28. Coeducation of the sexes in the United States, p. 1217-1315. \*29. F. W. Atkinson: The present educational movement in the Philippine Islands, p. 1317-1440. 30. Foreign universities and other foreign institutions of higher education, p. 1441-1457. 31. Sheldon Jackson: Report on education in Alaska, p. 1459-1490. 32. Sheldon Jackson: Eleventh annual report on the introduction of domestic reindeer into Alaska, p. 1491-1498. 33. Consular reports, p. 1499-1525. 34. City school systems, p. 1527-1610. \*35. Universities, colleges and technological schools, p. 1611-1730. \*36. Statistics of professional and allied schools, p. 1731-1800. 37. Agricultural and mechanical colleges, p. 1801-1841. 38. Statistics of normal schools, p. 1843-1901. 39. Statistics of secondary schools, p. 1903-2230 (pub. no. 299). 40. Manual and industrial training, p. 2231-2268. 41. Commercial and business schools, p. 2269-2297. 42. Education of the colored race, p. 2299-2331. 43. Statistics of

\*Not separately available.

reform schools, p. 203-206. \*44. Schools for the defective classes, p. 201-215. \*45. Instruction in mining engineering, p. 207-209. \*46. Current topics, p. 205-245. \*47. Miscellaneous educational topics, p. 207-248.

[Chapter 2 is of special interest to teachers in Ohio. The following addresses, delivered at the tenth annual meeting of the Southern Educational Association, December, 1900, are contained in chapter 14: G. L. Winston, Industrial education and the New South, C. W. Talbot, Education and production, E. B. Burninger, Negro education in the South, Julius Prober, Reply, H. B. Fessell, Discussion, E. B. Burninger, Reply. Chapters 13 and 20 are of interest to Southern educators.]

329. 1902. Harris: Washington, 1903. V. 1, CXL, 1176 p.

330. Same. V. 2, xiv, 1177-2447 p.

CONTENTS. Volume 1. The Commissioner's introduction, with statistics of state school systems, p. ix-xvii (pub. no. 296). Chapters: 1. General laws relating to agricultural and mechanical land-grant colleges, p. 1-90. 2. F. N. Thorpe, Franklin's influence in American education, p. 91-100. \*3. The college-bred negro, p. 101-229. 4. Francis Wayland Parker and his work for education, p. 231-281. \*5. A. D. Mayo: The work of certain northern churches in the location of the freedmen, 1861-1900, p. 285-331. 6. Laws relating to temperance instruction, p. 333-338. 7. Necrology for 1899, 1900, and 1901, p. 339-427. 8. Education in Canada, p. 429-463. 9. Education in the British south African colonies, p. 465-480. 10. Foster Watson: Notices of some early English writers on education, Part 2, p. 481-508. 11. Leo Burgerstein and August Scholtzky, Medical inspection of schools abroad, p. 509-526. 12. Admission to college on certificate of secondary schools, p. 527-530. 13. Miscellaneous educational topics, p. 541-600. 14. W. R. Harper: The educational progress of the year 1901-02, p. 605-606. 15. Education in France, p. 607-719. \*16. F. Binsson: Education of the will, p. 721-740. 17. Education in Italy. Fulbio de Santis-Vercini: Progress of public education in Italy, p. 741-767. Alexander Olm: The Russell bill for the reform of superior education in Italy, p. 767-787. \*18. C. W. DeBney: Illiteracy of the voting population in the United States, p. 789-818. 19. Foreign universities and other foreign institutions of higher education, p. 819-830. 20. Commercial education in Switzerland, p. 837-851. 21. Consular reports on education, p. 852-887. 22. Henry Bernard: W. L. Harris: Henry Bernard's views on education in Connecticut, p. 887-891. A. D. Mayo: Henry Bernard's last U. S. Commissioner of education, p. 891-900. W. L. Harris: Establishment of the office of the Commissioner of education of the United States, and Henry Bernard's contribution, p. 901-926. 23. Length of the college course, p. 927-938 (pub. no. 297). 24. Oxford university—W. L. Harris: Oxford university and the Rhodes scholarships, p. 939-959. J. W. Hoyt: History of the University of Oxford, p. 960-980. 25. Earl: The Bodleian tercentenary, p. 981-991. 26. Oxford university extension lectures, p. 992-999. 27. Education in Great Britain and Ireland, 1902, p. 1001-1008. 28. Correspondence schools, p. 1009-1094. 29. Child study in Chicago, p. 1095-1158. 30. E. Kovalevsky: Education in Russia, p. 1159-1196. 31. List of educational periodicals in the United States in 1902, p. 1197-1250. 32. Educational directories, p. 1251-1275.

Volume 2. 33. Education in Porto Rico, p. 1177-1227. \*34. Sheldon Jackson: Report of education in Alaska, p. 1229-1250. \*35. Sheldon Jackson: Twelfth annual report on the introduction of domestic timber into Alaska, p. 1251-1260. 36. Statistics of city school systems, p. 1271-1303. 37. Universities, colleges, and technological schools, p. 1307-1397 (pub. no. 331). 38. Professional schools, p. 1399-1409 (pub. no. 332). 39. Agricultural and mechanical colleges, p. 1501-1579. 40. Statistics of normal schools, p. 1581-1630. 41. Statistics of secondary schools, p. 1641-1657 (pub. no. 333). \*42. Manual and industrial training, p. 1659-2002. 43. Commercial and business schools, p. 2003-2011. 44. Schools for nurses, p. 2012-2031 (pub. no. 334). 45. Education of the colored race, p. 2032-2095. 46. Statistics of reform schools, p. 2097-2111. \*47. Schools for defective classes, p. 2112-2131. \*48. Report of Committee on statistics of defective sight and hearing of public school children, p. 2132-2155. \*49. D. E. Lincoln: The education of the feeble-minded in the United States, p. 2157-2197. 50. W. S. Thomas: Changes in the age of college graduation, p. 2199-2208. 51. Report on school statistics, made by a committee of the Department of superintendence of the National educational association (W. L. Harris, chairman), p. 2209-2218. 52. Education in the Philippines, p. 2219-2271. 53. Statistics of public and private kindergartens, p. 2272-2309 (pub. no. 335). \*54. Illiteracy in the United States, p. 2311-2336. \*55. Current topics, p. 2337-2422.

[Especially important chapters of the Report for 1902, still offered as separates, are 2, 4, 10, 11, 22, and 23.]

\* Not separately available.

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341. 1903 (Harris) Washington, 1905. V. 1, cxii, 1216 p.

342. Same. V. 2, viii, 1217-2512 p.

CONTENTS. Volume 1. The Commissioner's introduction and statistics of state school systems, p. ix-cvii. Chapters: \*1, H. S. Curtis: Vacations, tests, playgrounds, and settlements, p. 2-48. \*2, General laws relating to agriculture and mechanics and grant colleges, p. 49-236. \*3, Education in Great Britain and Ireland, 1903, p. 237-251. \*4, Education in London and the administration of the London School Board, p. 252-292. \*5, C. F. Howse: American universities, p. 293-317. \*6, Foster Watson: Notices of some early English writers on education, 1531-1734, p. 319-360. \*7, Aaron Gove: The public school systems of the United States, p. 361-368. \*8, Wickliffe Rose: The educational movement in the South, p. 369-400. \*9, A. D. Mayo: The final establishment of the American common school system in West Virginia, Maryland, Virginia, and Delaware, 1863-1900, p. 401-462. \*10, W. B. Jackson: The present status of the certification of teachers in the United States, p. 463-470. \*11, J. L. M. Curry and his services to education in the South, p. 471-542. \*12, L. L. Brigham: Secondary education, p. 543 (reprinted 1909, pub. no. 499). \*13, L. L. Brigham in France, p. 583-622. \*14, Consular reports on education, p. 623-667. \*15, Foreign universities and other foreign institutions of higher education in 1903, p. 668-687. \*16, Laura Fisher: The emigration, p. 688-719. \*17, L. M. Hartwell: On physical training, p. 721-757. \*18, Public libraries and school libraries, p. 759-1017. \*19, C. M. Woodward: Manual, industrial, and technical education in the United States, p. 1018 (pub. no. 304). \*20, Anna C. Smith: Conference on public schools and colleges of the United States, p. 1019-1028. \*21, M. M. Shaeffer: The Catholic parochial schools of the United States, p. 1029-1101. \*22, F. O. Fitch: The state normal schools of the United States, p. 1103-1126. \*23, Exhibit of the Bureau of Education at the Louisiana purchase exposition, p. 1127-1184. \*24, List of educational periodicals in the United States in 1903, p. 1185-1188. \*25, Educational directory, p. 1189-1216.

Volume 2. \*26, Courses of study in German schools, p. 1217-1267. \*27, J. V. Sack: Report on the children and dental congress and exhibit, 1902-03, p. 1268-1274. \*28, N. S. Wells, p. 1275-1301. \*29, John L. Shaw: Sketches of educational institutions in Alaska, 1866-1903, p. 1302-1343. \*30, Miscellaneous educational notes, p. 1344-1352. \*31, Miscellaneous notices, p. 1353-1390. \*32, Statistics of city school systems, p. 1391-1402. \*33, Universities, colleges, and technical schools, p. 1403-1620 (reprinted 1909, pub. no. 499). \*34, Agricultural and mechanical colleges, p. 1621-1672. \*35, Professional instruction, p. 1673-1710. \*36, Statistics of normal schools, p. 1711-1811. \*37, Statistics of secondary schools, p. 1812-2007 (reprinted 1909, pub. no. 500). \*38, Manual and industrial training, p. 2008-2090. \*39, Commercial and business schools, p. 2091-2227. \*40, Schools for nurses, p. 2228-2244 (pub. no. 347). \*41, Schools for the colored race, p. 2245-2283. \*42, Reform schools, p. 2284-2310. \*43, Schools for the defective classes, p. 2311-2352. \*44, Sheldon Jackson: Report on education in Alaska, p. 2353-2394. \*45, Sheldon Jackson: Thirteenth annual report on the introduction of reindeer into Alaska, p. 2395-2481. \*46, Education in the Philippines, Hawaii, and Cuba, p. 2482-2495. \*47, Current topics, p. 2496-2499.

Chapter 5 sketches the history of American universities and colleges, and, in this sense, which is an important portion of Southern educational history is presented in chapter 6. The treatment of the kindergarten in chapter 16 is both historical and comprehensive. Chapter 20 contains interesting and useful biographical material.

356. 1904 (Harris) Washington, 1906. V. 1, clix, 1176 p.

357. Same. V. 2, viii, 1177-2480 p.

CONTENTS. Volume 1. The Commissioner's introduction and statistics of state school systems, p. ix-cvii. Chapters: 1, Education in Canada, Australia, and New Zealand, p. 1-23. 2, Franz Bross and Clark Wiesner: Statistics of growth, p. 24-332. 3, Regulations relating to pensions and insurance in all German universities, p. 333-247. 4, Digest of school laws, p. 249-518 (pub. no. 361). \*5, J. W. Hoyt: The University of Paris during the middle ages, p. 519-558. \*6, The work and influence of Hampton, p. 559-579. \*7, Compulsory instruction in public schools and the liquor question, p. 581-632. \*8, Foster Watson: Notices of some early English writers on education, 1578-1693, p. 633-791. \*9, Edgar Loomine: Juvenile criminality in Germany, p. 792-813. \*10, W. A. Kelly and Frances H. Willard: Grammar and vocabulary of the Hinglit language of southeastern Alaska, p. 815-890 (pub. no. 347). \*11, The educational system of Sweden, p. 891-907. \*12, Education in Great Britain and Ireland, 1903, p. 908-932. \*13, Higher education in England as affected by the law of 1902, p. 933-961. \*14, G. E. Gay: Education at the St. Louis exposition. I. Public schools of the United States, p. 962-973; II. Technical schools, art schools, etc., p. 975-998. \*16, A. D. Mayo: The final establishment of the American common school system in North Carolina, South Carolina, and Georgia, 1863-1900, p. 999-1000. \*17, Sheldon Jackson: Introduction of reindeer into Alaska, p. 1001-1028. \*18, W. T. Harris: (a) A definition of civil-

\* Not separately available.



ration, p. 1129-1133. (5) Art education: the true industrial education, p. 1133-1139. (6) The intrinsic value of tool work, p. 1139-1144. (7) List of educational periodicals in the United States in 1904, p. 1145-1148. (8) Educational directory, p. 1149-1176.

Volume 2. (1) Education at the St. Louis exposition. (2) Universities and colleges of the United States, p. 1177-1290. (3) Education at the St. Louis exposition. Foreign countries, p. 1291-1297. (4) Length of teachers' service, p. 1297-1301. (5) Statistics of city school systems, p. 1301-1415. (6) Universities, colleges, and technological schools, p. 1417-1543 (reprinted 1906, pub. no. 68). (7) Agricultural and mechanical colleges, p. 1545-1586. (8) Professional education, p. 1587-1665. (9) Statistics of normal schools, p. 1667-1725. (10) Statistics of secondary schools, p. 1727-1805 (pub. no. 69). (11) Manual and industrial training, p. 1807-1908. (12) Commercial and business schools, p. 1909-1915. (13) Schools for nurses, p. 1916-1950. (14) Schools for the colored race, p. 1951-1985. (15) Statistics of reform schools, p. 1986-1995. (16) Schools for the defective classes, p. 1997-2006. (17) Sheldon Jackson: Report on education in Alaska, p. 2007-2068. (18) Current topics, p. 2069-2131. (19) Foreign universities and other foreign institutions of higher education in 1904, p. 2133-2419. (20) Miscellaneous educational topics, 2421-2462.

[Chapter 2, 1904, presents and discusses statements of school children, taken chiefly in Worcester, Massachusetts. The extensive display made by American schools, colleges, and universities at the St. Louis exposition is described in chapters 14, 15, and 21. Chapter 23 is on length of teachers' service: results of a special inquiry into the condition existing in 1903. The education of secondary pupils and over 100 series of lectures by Professor Foster Watson of University College, Aberystwyth, Wales, entitled Notices of Some Early English Writers and Education, extends from chapter 17, 1904, through chapters 19, 20, 21, and 22, 1905. Watson's conclusion in chapter 8, Report for 1904. Material on temperance instruction may be found in chapter 7, 1904, also in chapters 9, 1905; 21, 1904, and 6, 1902.]

365. 1905. (Brown) Washington, 1907. V. 1, h, 665 p.

366. Same. V. 2, iv, 657-1090 p.

CONTENTS. Volume 1. The Commissioner's introduction, p. xlii. Chapters 1, W. T. Harris: The reports of the Mosely educational commission, p. 1-19. 2. Extracts from the report of the Mosely educational commission in the United States of America. October-December, 1900, p. 11-13. 3. Statement of proceedings instituted to examine the Rhodes school, September, p. 14. 4. Education in France, p. 15-88. \* 5. The teaching of agriculture in the schools of France and Germany, p. 87-90. 6. J. Jastrow: Higher education for business men in the United States and Germany, p. 91-110. 7. G. W. Thomas: Education in Italy, p. 111-129. 8. C. M. Gray: An account of the proceedings of the International congress for the reproduction of manuscripts, July 26-August 21, 1900, p. 131-142. 9. A. S. Draper: The New York secondary school system, p. 143-154. 10. H. C. Hayes: Art education an important factor in industrial development, p. 155-180. \* 11. Current topics, p. 181-205. 12. Miscellaneous educational topics, p. 207-281. 13. Sheldon Jackson: Report on education in Alaska, p. 283-291. 14. Sheldon Jackson: Revisited in Alaska, 1905, p. 293-294. 15. S. M. Linn: Reorganization of the American school system in Porto Rico, p. 295-304. 16. Education in the Philippine Islands, p. 305-364. 17. Educational directory, p. 365-666. 18. Statistics of state school systems, p. 367-427. 19. Statistics of city school systems, p. 429-535. 20. Universities, colleges, and technological schools, p. 537-635.

Volume 2. (1) Agricultural and mechanical colleges, p. 637-708. (2) Professional schools, p. 709-734 (pub. no. 67). (3) Statistics of normal schools, p. 735-811. (4) Statistics of secondary schools, p. 813-1041. (5) Manual and industrial training, p. 1043-1217. (6) Commercial and business schools, p. 1219-1250. (7) Schools for nurses, p. 1251-1292 (pub. no. 670). (8) Schools for the colored race, p. 1293-1327. (9) Statistics of reform schools, p. 1329-1345. (10) Schools for the defective classes, p. 1347-1374.

[Extracts from the report of the Mosely educational commission, and an outline of its work, are given in chapters 1 and 2. Chapter 9, by A. S. Draper, on The New York secondary school system, deserves attention, also chapter 17, Inauguration of the American school system in Porto Rico.]

374. 1906. (Brown) Washington, 1907-08. V. 1, xlvii, 613 p. (not available as volume).

375. Same. V. 2, iv, 645-1308 p. (not available as volume).

The following separates are available: The Commissioner's introduction, p. vii-xxxvi. Publications of the U. S. Bureau of education, 1897-1906, p. xxxvii-xlvii (pub. no. 372). Chapters: 1. Education in Great Britain and Ireland, 1904-1906, p. 1-17. 2. Education in France, p. 19-31. 3. The new Prussian school law of 1906, p. 35-72. 4. W. S. Monroe: Progress of education in Italy, p. 73-90. 5. Foreign universities and other foreign institutions of higher education in 1905, p. 91-122. 6. Public education in British India, p. 123-149. 7. Edu-

\*Not separately available.

383 1907 Brown, Washington, 1908. A 1, viii, 522 p. not available as volume.  
384 Same. A 2, viii, 523-1214 p.

1. A. V. Kiselev, *Trudy Khim. fiz. tverdogo tela*, **1**, No. 1, p. 10 (1960) (English transl. in *High Pressure Solid State Physics*, R. Fieser, Ed., Academic Press, New York, 1961, p. 10).

2. I. V. Kiselev, *Trudy Khim. fiz. tverdogo tela*, **1**, No. 1, p. 15 (1960) (English transl. in *High Pressure Solid State Physics*, R. Fieser, Ed., Academic Press, New York, 1961, p. 15).

3. N. I. Zhuravskiy, *Trudy Khim. fiz. tverdogo tela*, **1**, No. 1, p. 28 (1960) (English transl. in *High Pressure Solid State Physics*, R. Fieser, Ed., Academic Press, New York, 1961, p. 28).

4. S. G. Zhuravskiy, *Trudy Khim. fiz. tverdogo tela*, **1**, No. 1, p. 34 (1960) (English transl. in *High Pressure Solid State Physics*, R. Fieser, Ed., Academic Press, New York, 1961, p. 34).

5. G. K. Zhuravskiy, *Trudy Khim. fiz. tverdogo tela*, **1**, No. 1, p. 40 (1960) (English transl. in *High Pressure Solid State Physics*, R. Fieser, Ed., Academic Press, New York, 1961, p. 40).

Figure 1. The effect of the number of iterations on the accuracy of the proposed algorithm.

391 1908. Brown, Washington, 1908. Vol. 1, vii, 382 p., not available as volume.  
392 Same. Vol. 2, vii, 383-1000 p., not available as volume.

The following table lists the available data sources for the 1990-1991 school year in the United States. In general, the data are available for the following categories: (1) Enrollment, (2) Expenditures, (3) Achievement, (4) Teacher characteristics, (5) School characteristics, (6) Student characteristics, (7) School climate, (8) School improvement, (9) School effectiveness, (10) School reform, (11) School choice, (12) School finance, (13) School governance, (14) School safety, (15) School health, (16) School nutrition, (17) School transportation, (18) School technology, (19) School community relations, (20) School culture, (21) School leadership, (22) School reform, (23) School choice, (24) School finance, (25) School governance, (26) School safety, (27) School health, (28) School nutrition, (29) School transportation, (30) School technology, (31) School community relations, (32) School culture, (33) School leadership, (34) School reform, (35) School choice, (36) School finance, (37) School governance, (38) School safety, (39) School health, (40) School nutrition, (41) School 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411. 1909. (Brown) Washington, 1909. V. 1, xi, 598 p. (not available as volume).  
412. Same. V. 2, v, 599-1373 p. (not available as volume).

The following separates are available: The Commissioner's Introduction, p. 1-32, including list of references on miseducation, p. 9-12; pub. no. 414. Chapters: C. C. Fos, State educational associations, p. 251-274 (pub. no. 421); J. L. Rowel, Educational progress in the Argentine Republic and Chile, p. 423-439; Appendices, p. 350-362, including C. O. Bonner, Historical sketch of education in the Argentine Republic, p. 350-357 (pub. no. 401); Evelyn M. Goldsmith, Schools for crippled children abroad, p. 503-511 (pub. no. 417).

- ### III. CIRCULARS OF INFORMATION COLLECTED ANNUAL VOLUMES.

1. *Journal of the History of Mathematics*, 1972, 3(1), 1-10. The author explains the construction of the probability function for the binomial distribution. (Wolfe, 1974, p. 100.)

2. *Journal of Statistical Theory and Applications*, 1995, 4(1), 1-10. (Joseph Warton, 1995, p. 10.)

- [illegible]

37. no. 1. Proceedings of the Department of superintendence of the National educational association. Washington, 1874. 77 p.
38. no. 2. Drawing in public schools. The present relation of art to education in the United States, (by T. Edwards Clarke). Washington, 1874. 56 p.
39. no. 3. History of secondary instruction in Germany [compiled by Herman Jacobsen]. Washington, 1874. 87 p.



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## ✓ Circulars, 1875, one volume—

40. no. 1. Proceedings of the Department of superintendence of the National educational association, at Washington, D. C., January 27 and 28, 1875. Washington, 1875. 114 p.

41. no. 2. Education in Japan. Washington, 1875. 64 p.

42. no. 3. An account of the systems of public instruction in Belgium, Russia, Turkey, Servia and Egypt. Washington, 1875. 108 p.

CONTENTS: Education in Belgium.—The progress of education in Russia; by Emile de Laveleye.—Education in Turkey; by M. de Salve.—Education in Servia.—Public instruction in Egypt.

43. no. 4. Waste of labor in the work of education, by P. A. Chadbourne. Washington, 1875. 16 p.

44. no. 5. Suggestions respecting the educational exhibit at the International centennial exhibition, 1876. Washington, 1875. 26 p.

45. no. 6. Statements relating to reformatory, charitable, and industrial schools for the young. Washington, 1875. 208 p.

46. no. 7. Constitutional provisions in regard to education in the several states of the American union, [by Franklin Hough]. Washington, 1875. 130 p.

47. no. 8. Schedule for the preparation of students' work for the Centennial exhibition, as reported by the committee of the Department of superintendence of the National educational association, appointed at Minneapolis in 1875. Washington, 1875. 15 p.

## ✓ Circulars and bulletins, 1885, one volume—

*Circulars.*

87. no. 1. City school systems in the United States, by John D. Philbrick. Washington, 1885. 207 p.

88. no. 2. Teachers' institutes, [compiled by James H. Smart]. Washington, 1885. 206 p.

89. no. 3. A review of the reports of the British royal commissioners on technical instruction, with notes, by Charles O. Thompson. Washington, 1885. 55 p.

90. no. 4. Education in Japan, [prepared and translated by the Japanese department of education]. Washington, 1885. 56 p.

91. no. 5. Physical training in American colleges and universities, by Edward Mussey Hartwell. Washington, 1886. 183 p. illus.

Of these Circulars, no. 3 only is separately available.

*Bulletins.*

140. Statistics regarding national aid to education. Washington, 1885. 3 p.

154. Outlines for a museum of anatomy, by R. W. Shufeldt. Washington, 1885. 65 p. illus.

## ✓ Circulars, 1888, two volumes (vol. 1, nos. 1-3; vol. 2, nos. 4-7)—

97. no. 1. Thomas Jefferson and the University of Virginia, by Herbert B. Adams, with authorized sketches of Hampden-Sidney, Randolph-Macon, Emory-Henry, Roanoke, and Richmond colleges, Washington and Lee university, and Virginia military institute. Washington, 1888. 308 p. illus. (Contributions to American educational history, no. 2.)

98. no. 2. The history of education in North Carolina, by Charles Lee Smith. Washington, 1888. 180 p. illus. (Contributions to American educational history, no. 3.)

99. no. 3. History of higher education in South Carolina, with a sketch of the free school system, by Clyde Meriwether. Washington, 1889. 247 p. illus. (Contributions to American educational history, no. 4.)

Circulars, 1888, etc., two volumes—Continued.

- 100. no. 4. Education in Georgia, by Charles Edgeworth Jones. Washington, 1889. 154 p. illus. (Contributions to American educational history, no. 5.)
- 101. no. 5. Industrial education in the South, by A. D. Mayo. Washington, 1888. 86 p. illus.
- 102. no. 6. Proceedings of the Department of superintendence of the National educational association at its meeting in Washington, February 14-16, 1888. Washington, 1888. 165 p.
- 103. no. 7. History of education in Florida, by George Gary Bush. Washington, 1889. 54 p. illus. (Contributions to American educational history, no. 6.)

A collection of special interest to Southern educators. Circulars nos. 2 and 5, 1888, are not available as separates.

#### IV. PUBLICATIONS ON SPECIAL SUBJECTS.

[For additional material on these and other special topics, consult the index to this Bulletin.]

##### 1. AGRICULTURAL AND MECHANICAL COLLEGES.

- 348. General laws relating to agricultural and mechanical land grant colleges. Reprint of chapter 1, p. 1-90, Report for 1902, and chapter 2, p. 39-226, Report for 1903.

Acts of Congress and state laws of Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming.

##### 2. AGRICULTURAL EDUCATION.

- 380. On the training of persons to teach agriculture in the public schools, by Liberty Hyde Bailey. Washington, 1908. 33 p. (Bulletin, 1908, no. 1).

CONTENTS: I. The nature of the problem. II. The means of training the teachers. —III. The general outlook; the significance of normal work in the colleges of agriculture. —IV. List of references.

- 447. Opportunities for graduate study in agriculture in the United States, by A. C. Monahan. Washington, 1911. 16 p. (Bulletin, 1911, no. 2.)

##### 3. ALASKA SCHOOL AND REINDEER SERVICE.

- 214. Education in Alaska. Reprint of chapter 28, p. 873-892, Report for 1891-92.
- 220. Educational affairs in Alaska. Reprint of chapter 9, p. 1705-1748, Report for 1892-93, part III.
- 236. Education in Alaska. Reprint of chapter 34, p. 1435-1468, Report for 1895-96.
- 279. Education and reindeer in Alaska, 1899-1900. Reprint of chapters 32-33, p. 1733-1785 (plates), Report for 1899-1900.
- 291. Education and reindeer in Alaska, 1901. Reprint of chapters 31-32, p. 1459-1498 (plates), Report for 1900-1901.
- 346. Education and reindeer in Alaska, 1903. Reprint of chapters 44 and 45, p. 2333-2384, Report for 1903.
- 448. Education of the natives of Alaska and the reindeer service. Reprint of chapter 33, Report for 1910, with an appendix. Washington, 1911. 1343-1370, lxii p. map.
- 458. Rules and regulations regarding the Alaska school service for the natives of Alaska, adopted May 20, 1911. Washington, 1911. 32 p.

## 4. AMERICAN EDUCATIONAL HISTORY.

## a. Series of Contributions.

Contributions to American educational history, ed. by Herbert B. Adams. Volumes 1 and 2 (bound with collective title-pages).

A collection of special interest to Southern educators.

CONTENTS: Volume 1. —1. H. B. Adams: The College of William and Mary. —2. H. B. Adams: Thomas Jefferson and the University of Virginia. —3. C. L. South: History of education in North Carolina. (Circulars of information, 1887, no. 1, and 1888, nos. 1 and 2.) Volume 2. —4. Colyer Meriwether: History of higher education in South Carolina, with a sketch of the free school system. —5. C. E. Jones: Education in Georgia. —6. G. G. Bush: History of education in Florida. —7. W. F. Allen and D. E. Spencer: Higher education in Wisconsin. (Circulars of information, 1888, nos. 3, 4, 5; 1889, no. 1.)

94. The College of William and Mary, a contribution to the history of higher education, with suggestions for its national promotion; by Herbert B. Adams. Washington, 1887. 89 p. illus. (Contributions to American educational history, no. 1—Circulars of information, 1887, no. 1.)
97. Thomas Jefferson and the University of Virginia, by Herbert B. Adams, with authorized sketches of Hampden-Sidney, Randolph-Macon, Emory-Henry, Roanoke, and Richmond colleges, Washington and Lee university, and Virginia military institute. Washington, 1888. 308 p. illus. (Contributions to American educational history, no. 2—Circulars of information, 1888, no. 1.)
99. History of higher education in South Carolina, with a sketch of the free school system, by Colyer Meriwether. Washington, 1889. 247 p. illus. (Contributions to American educational history, no. 4—Circulars of information, 1888, no. 3.)
100. Education in Georgia, by Charles Edgeworth Jones. Washington, 1899. 154 p. illus. (Contributions to American educational history, no. 5—Circulars of information, 1888, no. 4.)
103. History of education in Florida, by George Gary Bush. Washington, 1889. 54 p. illus. (Contributions to American educational history, no. 6—Circulars of information, 1888, no. 7.)
157. Higher education in Wisconsin, by William F. Allen and David E. Spencer. Washington, 1889. 68 p. illus. (Contributions to American educational history, no. 7—Circulars of information, 1889, no. 1.)
170. Higher education in Indiana, by James Albert Woodburn. Washington, 1891. 200 p. illus. (Contributions to American educational history, no. 10—Circulars of information, 1891, no. 1.)
174. History of higher education in Michigan, by Andrew C. McLaughlin. Washington, 1891. 179 p. illus. (Contributions to American educational history, no. 11—Circulars of information, 1891, no. 4.)
175. The history of higher education in Ohio, by George W. Knight and John R. Commons. Washington, 1891. 258 p. illus. (Contributions to American educational history, no. 12—Circulars of information, 1891, no. 5.)
193. The history of education in Connecticut, by Bernard C. Steiner. Washington, 1893. 300 p. illus. (Contributions to American educational history, no. 14—Circulars of information, 1893, no. 2.)
194. The history of education in Delaware, by Lyman P. Powell. Washington, 1893. 186 p. illus. (Contributions to American educational history, no. 15—Circulars of information, 1893, no. 3.)
196. Higher education in Tennessee, by Lucius Salisbury Merriam. Washington, 1893. 287 p. illus. (Contributions to American educational history, no. 16—Circulars of information, 1893, no. 5.)

197. Higher education in Iowa, by Leonard F. Parker. Washington, 1893. 190 p. illus. (Contributions to American educational history, no. 17—Circulars of information, 1893, no. 6.)
209. History of higher education in Rhode Island, by William Howe Tolman. Washington, 1894. 210 p. illus. (Contributions to American educational history, no. 18—Circulars of information, 1894, no. 1.)
210. History of education in Maryland, by Bernard C. Steiner. Washington, 1894. 331 p. illus. (Contributions to American educational history, no. 19—Circulars of information, 1894, no. 2.)
243. Higher education in Missouri, by Marshall S. Snow. Washington, 1898. 164 p. (Contributions to American educational history, no. 21—Circulars of information, 1898, no. 2.)
244. History of education in New Hampshire, by George Gary Bush. Washington, 1898. 170 p. (Contributions to American educational history, no. 22—Circulars of information, 1898, no. 3.)
252. History of education in New Jersey, by David Murray. Washington, 1899. 341 p. illus. (Contributions to American educational history, no. 23—Circulars of information, 1899, no. 1.)
256. History of higher education in Kentucky, by Alvin Fayette Lewis. Washington, 1899. 350 p. illus. (Contributions to American educational history, no. 25—Circulars of information, 1899, no. 3.)
264. The University of the State of New York: history of higher education in the State of New York, by Sidney Sherwood. Washington, 1900. 538 p. illus. (Contributions to American educational history, no. 28—Circulars of information, 1900, no. 3.)
292. History of higher education in Colorado, by James Edward Le Rossignol. Washington, 1903. 67 p. illus. (Contributions to American educational history, no. 34—Circulars of information, 1903, no. 1.)
294. History of higher education in Maine, by Edward W. Hall. Washington, 1903. 211 p. illus. (Contributions to American educational history, no. 36—Circulars of information, 1903, no. 3.)

#### b. Miscellaneous.

56. American education as described by the French commission to the International exhibition of 1876, [by Ferdinand Buisson and others]. Washington, 1879. 37 p. (Circulars of information, 1879, no. 5.)
140. Statistics regarding national aid to education. Washington, 1885. 3 p.  
 Contains tables in which the whole amount proposed for distribution by the Blair Bill (\$7,000,000) is apportioned to every state and organized territory according to the total white population, the colored population, the total constitutional population, and the wealth of each, as reported by the Tenth census.
146. Historical sketch of Mount Holyoke seminary, by Mary O. Nutting. Washington, 1876. 24 p.
206. Education in southwestern Virginia, by A. D. Mayo. Reprint of chapter 24, p. 881-921, Report for 1890-91.
271. Notes on the history of American text-books on arithmetic, by J. M. Greenwood and Artemas Martin. Reprint of chapter 17, p. 789-868, Report for 1897-98, and chapter 15, p. 781-837, Report for 1898-99.

#### 5. ASSOCIATIONS AND CONGRESSES.

66. Proceedings of the Department of superintendence of the National educational association at its meeting at New York, February 8-10, 1881. Washington, 1881. 79 p. (Circulars of information, 1881, no. 3.)  
 Contains: Andrew McMillan: Uniformity of school statistics.—J. P. Wickersham: Weak places in our systems of public instruction.—C. O. Thompson: The conservation of pedagogic energy.—F. B. Hough: Our schools and our forests. John Eaton: Museums illustrative of education.—J. W. Patterson: Education and the state.

71. Proceedings of the Department of superintendence of the National educational association at its meeting at Washington, March 21-23, 1882. Washington, 1882. 111 p. (Circulars of information, 1882, no. 2.)

Contains: J. S. Billings: Information necessary to determine the merits of the heating and ventilation of a school building. — H. S. Jones: Obstacles in the way of better primary education. — G. Stanley Hall: Chairs of pedagogy in our higher institutions of learning. — A. D. Mayo: Remarks on national aid to education. — D. A. Hawkins: National aid to education from a northern standpoint. — J. L. M. Curry: Remarks on national aid to education. — Sheldon Jackson: Education in Alaska. — J. M. Gregory: Some fundamental inquiries concerning the common school studies. — W. T. Harris: How to improve the qualifications of teachers.

93. Proceedings of the Department of superintendence of the National educational association at its meeting at Washington, February 23-26, 1886. Washington, 1886. 169 p. (Circulars of information, 1886, no. 2.)

Contains: M. A. Newell: School superintendence a profession. — D. L. Kiehle: Duties of county superintendents. — C. S. Young: Co-education of the races. — J. A. B. Lovett: National aid to education. — S. M. Finger: Educational and religious interests of the colored people in the South. — Warren Higley: Forestry in education. — N. C. Dougherty: Language work. — H. M. Skinner: Growth and benefits of reading circles. — J. W. Akers: City superintendents.

102. Proceedings of the Department of superintendence of the National educational association at its meeting in Washington, February 14-16, 1888. Washington, 1888. 165 p. (Circulars of information, 1888, no. 6.)

Contains: C. H. Ham: How and to what extent can manual training be ingrafted on our system of public schools? — J. B. Thayer: Purpose of county institutes, and how best secured. — Martha Fleming: Elocution: its place in education. — A. S. Draper: How shall the qualifications of teachers be determined? — J. P. Wickersham: Are existing state normal schools adequate to accomplish their work? — W. T. Harris: Moral education in the common schools. — C. W. Eliot: Can school programmes be shortened and enriched? — N. H. R. Dawson: Alaska. — I. E. Bradley: The superintendent and the teacher. — A. E. Winship: Relation of the superintendent and teacher to the school. — J. A. B. Lovett, A. P. Marble, and Alexander Hogg: National aid to education. (Discussion follows individual topics.)

129. National pedagogic congress of Spain. Washington, 1882. 4 p.

An account of the congress held in Madrid in May, 1882, under the presidency of the King, with his address.

421. State educational associations, by C. S. Foss. Reprint of chapter 3, p. 251-274, Report for 1909.

- Reports on international congresses by American delegates. Advance sheets of chapter 16, p. 579-601, of Report for 1910.

1. Report of the third International congress on home education, Brussels, August 21-25, 1910, by W. S. Monroe. 2. Report of the third International congress on school hygiene, Paris, August 2-7, 1910, by T. F. Harrington. 3. Report of the third International congress on the physical education of the young, Brussels, August 10-13, 1910.

## 6. BARNARD'S AMERICAN JOURNAL OF EDUCATION.

187. Analytical index to Barnard's American journal of education. 31 v., 1855-1881, Washington, 1892. 128 p.

Every owner and user of a set of "that monumental cyclopedia of pedagogical literature," Barnard's American journal, will find this index very useful.

## 7. BIBLIOGRAPHY OF EDUCATION.

388. Bibliography of education for 1907, compiled by James Ingersoll Wyer, Jr., and Martha L. Phelps. Washington, 1908. 65 p. (Bulletin, 1908, no. 3.)

408. A teacher's professional library: classified list of one hundred titles. Washington, 1909. 14 p. (Bulletin, 1909, no. 8.)

410. Bibliography of education for 1908-9. Washington, 1909. 134 p. (Bulletin, 1909, no. 9.)



446. Bibliography of science teaching, compiled by a committee of the American federation of teachers of the mathematical and the natural sciences. Washington, 1911. 27 p. (Bulletin, 1911, no. 1.)
456. Bibliography of education for 1909-10. Washington, 1911. 166 p. (Bulletin, 1911, no. 10.)
457. Bibliography of child study for the years 1908-1909, by Louis N. Wilson. Washington, 1911. 84 p. (Bulletin, 1911, no. 11.)

#### ✓ 8. BUREAU OF EDUCATION: PUBLICATIONS AND WORK.

308. An address on the needs of the Bureau of Education, by Hon. John Eaton, United States Commissioner of Education. Delivered before the Department of superintendence of the National education association, at the meeting of 1879. Washington, 1879. 7 p. (Reprinted from Circular of information, no. 2, 1879.)
372. Publications of the United States Bureau of Education, 1867-1906. Reprint from Report for 1906. Washington, 1907. xxxvii-xlvii p.
385. List of publications of the United States Bureau of Education, 1867-1907. Washington, 1908. 69 p. (Bulletin, 1908, no. 2.)
407. Index to the reports of the Commissioner of Education, 1867-1907. Washington, 1909. 103 p. (Bulletin, 1909, no. 7.)
439. List of publications of the United States Bureau of Education, 1867-1910. Washington, 1910. 55 p. (Bulletin, 1910, no. 3.)

#### ✓ 9. DEFECTIVES: EDUCATION.

376. The auxiliary schools of Germany: six lectures, by B. Maennel. Tr. by Fletcher Bascom Dresslar. Washington, 1907. 137 p. (Bulletin, 1907, no. 3.)
- CONTENTS: I. Historical sketch. -II. Reasons for the establishment of auxiliary schools. -III. Admission procedure. -IV. The parents and the whole environment of auxiliary school pupils before and during the school period. -V. Health conditions of auxiliary school pupils. -VI. The pupils of the auxiliary school and their characterization. -VII. The building for the auxiliary school. -VIII. Classification of pupils in an auxiliary school, and the number in each class. -IX. The daily programme. -X. The curriculum. -XI. Methods of instruction. -XII. Discipline in the auxiliary school. -XIII. Preparation of auxiliary school pupils for confirmation. -XIV. The community and the State in their relations to the auxiliary school. -XV. The teachers and the principal of the auxiliary school. -XVI. The pedagogical significance of the auxiliary school. -XVII. Appendix. -XVIII. Bibliography.
417. Schools for crippled children abroad, by Evelyn M. Goldsmith. Reprint of chapter 11, p. 503-511, Report for 1909.

#### ✓ 10. EDUCATION AND CRIME.

171. The fourth International prison congress, St. Petersburg, Russia, by C. D. Randall. Washington, 1891. 253 p. illus. (Circulars of information, 1891, no. 2.)
- Contains as introduction a summary of the three previous congresses. See also The fifth International prison congress, Report for 1895-96, chapter 13, p. 698-700.
274. Education and crime. Reprint of chapter 28, p. 1249-1343, Report for 1899.
- CONTENTS: Horace Mann: The power of common schools to redeem the state from social vices and crimes. -E. D. Mansfield: The relation between crime and education. -Richard Grant White: The public-school failure. -B. F. Tweed: Reply to Richard Grant White. -W. T. Harris: Compulsory education in relation to crime and social morals. -Benjamin Rocco: Public schools as affecting vice and crime. -D. C. Torrey: Is crime increasing in Massachusetts? -A. W. Gould: Education and crime. -W. T. Harris: School statistics and morals. -Rebecca Harding Davis: The curse in education. -W. T. Harris: Erroneous interpretation of prison statistics; Influence of the schools in France. -Statistics.

## ✓ 11. EDUCATIONAL EXHIBITIONS.

47. Schedule for the preparation of students' work for the Centennial exhibition, as reported by the committee of the Department of superintendence of the National educational association, appointed at Minneapolis in 1875. Washington, 1875. 15 p. (Circulars of information, 1875, no. 8.)
81. Suggestions respecting the educational exhibit at the World's industrial and cotton centennial exposition. Washington, 1884. 28 p. (Circulars of information, 1884, no. 5.)
223. Education at the World's Columbian exposition, including reports and comments by American and foreign educators and delegates. Reprint of chapters 1-8, Report for 1892-93, part II. Washington, 1896. 423-690 p.
- CONTENTS: 1. Programme of the International congress of education and addresses of welcome. 2. American views and comments on the educational exhibits. 3. German criticism on American education and the educational exhibits. 4. Views of the French commissioners. 5. Medical education in the United States, as presented by French specialists. 6. Notes and observations made by the Italian, Swedish, Danish, and Russian delegates. 7. Report on American technological schools. 8. Higher education of women in Russia.
225. Notes on education at the Columbian exposition, by Hon. John Eaton. Reprint of chapter 10, Report for 1892-93, part II. Washington, 1896. 1015-1224 p.

## ✓ 12. EDUCATIONAL VALUES.

250. Educational values, by W. T. Harris. Reprint of chapter 15, Report for 1893-94, part I. Washington, 1901. 615-638 p.

A discussion of the educative value of the several studies in elementary and secondary schools, and in colleges and universities.

## ✓ 13. FOREIGN SCHOOL SYSTEMS.

33. Schools in British India, [by Joseph Warren]. Washington, 1873. 30 p. (Circulars of information, 1873, no. 2.)
41. Education in Japan. Washington, 1875. 64 p. (Circulars of information, 1875, no. 2.)
51. Elementary education in London, [with address of Sir Charles Reed]. Washington, 1878. 24 p. (Circulars of information, 1878, no. 2.)
360. The Education bill of 1906 for England and Wales as it passed the House of Commons, by Anna Tolman Smith. 2d ed. Washington, 1907. 48 p. (Bulletin, 1906, no. 1.)
388. Education in Formosa, by Julian H. Arnold. Washington, 1908. 70 p. (Bulletin, 1908, no. 5.)
- CONTENTS: I. Education under the Dutch (1624-1634).—II. Education under the Chinese (1661-1683 and 1683-1895).—III. Education under the Japanese (from 1895).—IV. Appendix: Missionary schools.
416. Educational progress in the Argentine Republic and Chile, by E. S. Rowe. Reprint of chapter 7, p. 323-362, Report for 1909.
418. Educational reform in China, by John Fryer. Reprint of chapter 12, p. 513-521, Report for 1909.
423. The movement for reform in the teaching of religion in the public schools of Saxony, by Arley Barthlow Shaw. Washington, 1910. 45 p. (Bulletin, 1910, no. 1.)

CONTENTS: I. Rise and progress of the controversy. II. The questions at issue.

## ✓ 14. HIGHER EDUCATION.

[See also Research, Universities and colleges.]

175. The study of history in American colleges and universities, by Herbert B. Adams. Washington, 1887. 299 p. illus. (Circulars of information, 1887, no. 2.)  
Treats the subject from a historical point of view, and forms a substantial contribution to the history of higher education in the United States.
179. Biological teaching in the colleges of the United States, by John I. Campbell. Washington, 1891. 183 p. (Circulars of information, 1891, no. 9.)  
Designed to be of value to all teachers of science, whether in colleges or secondary schools.
297. Length of the college course. Reprint of chapter 23, p. 927-948, Report for 1902.  
Action taken by certain institutions toward reducing the time requirements for the bachelor's degree, especially with reference to professional courses, together with a reprint of some of the discussions and a comparative statement showing the advance in admission requirements at Harvard university from 1642 to the present time.
399. Admission of Chinese students to American colleges, by John Fryer. Washington, 1909. 224 p. (Bulletin, 1909, no. 2.)  
CONTENTS: I. The American college system. - II. College entrance requirements. - III. Expenses. - IV. The organization of Chinese students in the United States. - V. Suggestions and advice. - VI. Tables of universities and colleges, showing provision for Chinese students. - VII. References.

## 15. INDIAN SCHOOLS.

114. The Indian school at Carlisle Barracks, by Charles Warren. Washington, 1880. 5 p.  
An interesting report of a visit to this school during the first year of its existence.

## 16. INDUSTRIAL AND TECHNICAL EDUCATION.

89. A review of the reports of the British royal commissioners on technical instruction, with notes, by Charles D. Thompson. Washington, 1885. 55 p. (Circulars of information, 1885, no. 3.)  
A valuable contribution to the literature of technical instruction in Europe.
- ✓ 216. Art and industry. Education in the industrial and fine arts in the United States, by Isaac Edwards Clarke. Part II. Industrial and manual training in public schools. Washington, 1892. cxlviii, 1338 p.  
A historical and descriptive treatment of the subject, unanimously approved by the National education association as follows: "This encyclopedic volume relating to industrial and manual training in public schools, is a storehouse of valuable information concerning those topics, and is a most timely contribution to the movement of the new education."
- ✓ 253. Art and industry. Education in the industrial and fine arts in the United States, by Isaac Edwards Clarke. Part III. Industrial and technical training in voluntary associations and endowed institutions. Washington, 1897. liii, 1145 p.  
This volume is largely given to the history of the mechanics institutes and similar associations in the cities of the United States, and also includes accounts of modern institutes founded by individual citizens.
- ✓ 254. Art and industry. Education in the industrial and fine arts in the United States, by Isaac Edwards Clarke. Part IV. Industrial and technical training in schools of technology and in U. S. land grant colleges. Washington, 1898. lvi, 1020 p.  
Contains accounts of the typical manual training schools, of five leading technical mechanical schools, of some trade schools, of an educational experiment undertaken by the Baltimore and Ohio railroad in 1885-87, and of the schools of science and engineering of the land grant colleges of agriculture and the mechanic arts.

270. Educational training for railway service, by J. Shirley Eaton. Reprint of chapter 17, p. 871-955, Report for 1899.
353. Manual, industrial, and technical education in the United States, by Calvin M. Woodward. Reprint of chapter 19, p. 1019-1046, Report for 1903. illus.
361. German views of American education, with particular reference to industrial development, collated from the reports of the Royal Prussian industrial commission of 1904, by William N. Hailmann. 2d ed. Washington, 1907. 55 p. (Bulletin, 1906, no. 2.)

CONTENTS: General considerations.—The kindergarten.—Elementary schools.—Middle schools.—Normal instruction.—Drawing and art instruction.—Industrial art schools.—Technical colleges and other advanced technical institutions.—Apprenticeship and trade schools.—Contents of the "Reiseberichte."

389. The apprenticeship system in its relation to industrial education, by Carroll D. Wright. Washington, 1908. 116 p. (Bulletin, 1908, no. 6.)

CONTENTS: I. A combination of apprenticeship and academic education needed.—II. Description of the systems which have developed.—III. Origin of the modern apprenticeship system.—IV. Extent of the apprenticeship system.—V. Statutory regulations relative to apprentices.—VI. The attitude of trade unions to the apprenticeship system and to industrial education.—VII. Types of systems.—VIII. General considerations and conclusions.—IX. List of references relating to the education of apprentices.—X. Appendix: Digest of apprentice laws in the United States.

406. Instruction in the fine and manual arts in the United States: a statistical monograph, by Henry Turner Bailey. Washington, 1909. 184 p. (Bulletin, 1909, no. 6.)

CONTENTS: I. Introduction.—II. The federal government.—III. The States.—IV. Municipalities.—V. Private high schools and academies.—VI. Universities, colleges, and technological schools.—VII. Colleges for women.—VIII. Private art schools, etc.—IX. Summer schools.—X. Art museums and societies.—XI. Publications.—XII. Summary.—XIII. Statistical tables.—XIV. Bibliography.

420. Education for efficiency in railroad service, by J. Shirley Eaton. Washington, 1909. 159 p. (Bulletin, 1909, no. 10.)

CONTENTS: I. Preparation and efficiency.—II. Efficiency and compensation.—III. Education en masse.—IV. Bearing the expense of specialized railroad education.—V. Apprenticeship.—VI. Special apprentices.—VII. The school—its functions and methods.—VIII. Vocational railroad schools.—IX. High schools.—X. The correspondence school.—XI. Higher education for railroad careers.—XII. Schools of railroad engineering and administration.—XIII. Schools of railroad administration.—XIV. Summary.—XV. Appendixes: A. Statistics of railway apprenticeship. B. Educational and welfare work on European railroads.

#### 17. LIBRARIES.

143. Statistics of public libraries in the United States, 1884-85. Reprint of p. cccxix-ccxxx, 691-782, Report for 1884-85.

148. Public libraries in the United States of America, their history, condition and management. Special report. Part I, ed. by S. R. Warren and S. M. Clark. Part II. Rules for a dictionary catalogue, by C. A. Cutter. Washington, 1876. 2 v.

"A valuable encyclopedia of library science and practice of some 1,200 pages, which is not yet superseded in the English speaking world by any comprehensive treatise, and retains all of its interest and much of its authority."

200. Catalogue of "A. L. A." library; 5,000 volumes for a popular library, selected by the American library association and shown at the World's Columbian exposition. Washington, 1893. 592 p.

232. Public, society, and school libraries in the United States, with library statistics and legislation of the various states. Chapters from Report for 1895-96: chapter 8, Statistics for 1896, by Alexander Summers; chapter 9, Library legislation in the United States, by Henderson Presnell. Washington, 1897. 339-599 p.

278. Public, society, and school libraries. Reprint of chapter 17, Report for 1899-1900. Washington, 1901. 923-1165 p.

CONTENTS: Summaries of statistics of libraries in 1900; libraries of 300 volumes and over in 1873, 1885, and 1896; libraries of 1,000 volumes and over in 1891 and 1896; statistics of public, society, and school libraries of 1,000 volumes and over in 1900.

295. Public, society, and school libraries in the United States, with library statistics and legislation of the various states. Reprint of chapter 9, Report for 1895-96, and of chapter 17, Report for 1899-1900. Washington, 1903. 523-599, 923-1165 p.

405. Statistics of public, society, and school libraries having 5,000 volumes and over in 1908. Washington, 1909. 215 p. (Bulletin, 1909, no. 5.)

#### 18. MATHEMATICAL INSTRUCTION.

453. Undergraduate work in mathematics in colleges of liberal arts and universities. International commission on the teaching of mathematics. The American report. Committee no. X. Washington, 1911. 30 p. (Bulletin, 1911, no. 7.)

459. Training of teachers of elementary and secondary mathematics. International commission on the teaching of mathematics. The American report. Committee no. V. Washington, 1911. 23 p. (Bulletin, 1911, no. 12.)

#### 19. MUSEUMS.

151. Outlines for a museum of anthropology, by R. W. Shufeldt. Washington, 1885. 65 p.  
309. An address on museums illustrative of education, by Hon. John Eaton, United States Commissioner of Education. Delivered before the Department of superintendence of the National education association at the meeting of 1881. Washington: Government printing office, 1881. 12 p. 8°. (Reprinted from Circular of information, no. 3, 1881.)

#### 20. MUSIC EDUCATION.

357. Music education in the United States: schools and departments of music, by Arthur L. Manchester. Washington, 1908. 85 p. (Bulletin, 1908, no. 4.)

CONTENTS: I. Historical development. II. Results of the inquiry. III. Statistical tables. IV. Past and present tendencies. V. Conclusion. VI. References to works on musical education.

#### 21. PROFESSIONAL EDUCATION.

145. Contributions to the annals of medical progress and medical education in the United States before and during the War of independence, by Joseph M. Toner. Washington, 1871. 118 p.

149. Contributions to the history of medical education and medical institutions in the United States of America, 1776-1876, by N. S. Davis. Washington, 1877. 60 p.

Supplements the work by J. M. Toner (pub. no. 145).

190. Report on legal education, prepared by a committee of the American bar association and the U. S. Bureau of education. Washington, 1893. 207 p. Advance sheets of chapters 13-16, p. 376-578, Report of Commissioner for 1890-91.

This document describes legal education in North and South America, Europe, Australia, China and Japan. A bibliography is appended.

## ✓ 22. PROMOTION OF PUPILS.

177. Promotions and examinations in graded schools, by Emerson E. White. Washington, 1891. 64 p. (Circulars of information, 1891, no. 7.)
355. Classification and promotion of pupils. Reprint of chapter 7, p. 393-436, Report for 1898-99.

CONTENTS: The St. Louis system, as set forth in the St. Louis school reports, 1876-1877. The Elizabeth (N. J.) plan of grading, by Supt. William J. Steiner. The Seattle plan of promotion and classification, by Supt. Frank J. Barnard. Plan of the Northside schools of Denver, by Supt. J. H. VanSickle. Promotion in the grammar schools of Cambridge, Mass., by Supt. Francis Cogswell. Report on the grading and promotion of pupils, by John E. Prince, agent of the Massachusetts state board of education.

451. Age and grade census of schools and colleges: a study of retardation and elimination, by George Drayton Strayer. Washington, Government printing office, 1911. 141 p. (Bulletin, 1911, no. 5.)

## ✓ 23. RESEARCH.

398. Facilities for study and research in the offices of the U. S. Government at Washington, by Arthur Twining Hadley. Washington, 1909. 53 p. (Bulletin, 1909, no. 1.)

CONTENTS: I. Brief history. II. Administration versus education. III. Existing facilities for study and research. IV. Obstacles to higher research. V. Conclusions. VI. Appendix.

440. The biological stations of Europe, by Charles Atwood Kofoid. Washington, 1910. 360 p. (Illus., plates.) (Bulletin, 1910, no. 4.)

CONTENTS: I. The functions of biological stations. II. Italy. III. France and Monaco. IV. Great Britain. V. Germany. VI. Austria-Hungary. VII. Scandinavia. VIII. Other European countries (Holland, Belgium, Spain, Finland, Russia, Bulgaria). Bibliography.

## ✓ 24. SCHOOL ADMINISTRATION—STATE AND CITY.

363. State school systems: legislation and judicial decisions relating to public education, October 1, 1904, to October 1, 1906, by Edward C. Elliott. 2d ed., rev. Washington, 1907. 156 p. (Bulletin, 1906, no. 3.)

CONTENTS: Legislation relating to public education. A. Administrative control and supervision of elementary and secondary education. B. State finance and support. C. Local finance and support. D. Buildings and sites. E. Teachers in elementary and secondary schools. F. Teachers; employment, etc. G. Teachers; professional training and education. H. School population and attendance. I. School discipline. J. Health regulations. K. Text books and supplies. L. Subject-matter of instruction. M. Special types of school. N. Secondary education: high schools and academies. O. Higher educational institutions. P. Professional and higher technical education. Q. Private and endowed higher institutions. R. Libraries. S. Education of defectives and delinquents.

Recent decisions of state supreme courts.

364. Digest of school laws. Reprint of chapter I, Report for 1904. Washington, 1907. 249-518 p.

This digest summarizes the school laws of the various states and territories, except Florida, Hawaii, Idaho, New Mexico, Utah, and Wyoming, under the heads of Organization of the system, Teachers, Schools, and Finances.

396. State school systems: II. Legislation and judicial decisions relating to public education, October 1, 1906, to October 1, 1908, by Edward C. Elliott. Washington, 1909. 364 p. (Bulletin, 1908, no. 7.)

CONTENTS: I. General explanations. II. Table of legislative sessions. III. Plan of classification. IV. Bibliography. V. Legislation relating to public education. VI. Recent decisions of federal and state supreme courts.

438. State school systems. III. Legislation and judicial decisions relating to public education, October 1, 1908, to October 1, 1909, by Edward C. Elliott. Washington, 1910. 395 p. (Bulletin, 1910, no. 2.)

CONTENTS: I. General explanations. — II. Table of legislative sessions. — III. Plan of classification. — IV. Bibliography. — V. Legislation relating to public education. — VI. Recent decisions of state supreme courts.

439. Report of the Commission appointed to study the system of education in the public schools of Baltimore. Washington, 1911. 112 p. (Bulletin, 1911, no. 15.)

The Commission consisted of Elmer Ellsworth Brown, Edward P. Calkins, and Edwin S. Kendall, assisted by Milo H. Dilegas and Harlan Updegraff.

465. Teachers' certificates issued under general state laws and regulations, by Harlan Updegraff. Washington, 1911. 269 p. (Bulletin, 1911, no. 18.)

The fundamental purpose of this study is to answer the question, What is the exact status of the legal provisions relating to certification of teachers in the various states at the present time?

## 25. SCHOOL ARCHITECTURE AND SANITATION.

104. Report on school architecture and plans for graded schools by the Commissioner of Education. Washington, 1880. 513-618 p. (Official circular no. 11. Reprint from Report for 1887-88.)

Profusely illustrated with views and plans of buildings, and useful for the history of American school architecture.

173. Sanitary conditions for schoolhouses, by Albert P. Marble. Washington, 1891. 123 p. illus. (Circulars of information, 1891, no. 3.)

A publication which has been widely useful in furthering improvement in schoolhouse construction, and is in demand to the present day.

444. American schoolhouses, by Fletcher B. Dresslar. Washington, 1911. 133 p. plates, plans. (Bulletin, 1910, no. 5.)

CONTENTS: Location of the schoolhouse. — Foundations. — Basements. — The classroom. — Special rooms: Laboratories, etc. — Floors of school buildings. — Blackboards. — Doors. — Closets. — Halls. — Stairways. — Latrines and urinals. — Baths. — Lighting and heating of schoolrooms. — Ventilation. — School architecture and school improvement. — References on school architecture and sanitation.

## 26. SCHOOL HYGIENE.

68. Causes of deafness among school children and its influences on education, with remarks on the instruction of pupils with impaired hearing and on aural hygiene in the schools, by Samuel Sexton. Washington, 1881. 47 p. illus. (Circulars of information, 1881, no. 5.)

116. Vacation colonies for sickly school children. Washington, 1880. 4 p.

An account of colonies in Switzerland and Germany.

403. The daily meals of school children, by Caroline L. Hunt. Washington, 1909. 62 p. (Bulletin, 1909, no. 3.)

CONTENTS: I. Introduction. — II. The serving of food in schools. — III. Food for children. — IV. The underfed child. — V. Bibliography.

## 27. SECONDARY EDUCATION.

400. Statistics of secondary schools. Reprint of chapter 19, p. 695-1041, Report for 1906.

Contains: Statistics of students pursuing certain studies in 1905-06 (latest published). Lists of public high schools and private secondary schools, with statistics.

404. The teaching staff of secondary schools in the United States: amount of education, length of experience, salaries. by Edward J. Thorndike. 60 p. (Bulletin, 1909, no. 4)

CONTENTS: I. The nature of the data and sources of error. II. The teaching staff of public secondary schools. III. The teaching staff of private secondary schools. IV. Men teachers and women teachers compared. V. Tabular summary. VI. Public and private secondary school teachers compared. VII. The influence of length of experience upon efficiency in teaching. VIII. The relation of length of experience to amount of salary in certain communities. IX. The relation of length of experience and of length of education to amount of salary in Ohio, Illinois, Wisconsin, Georgia, Texas, and California. X. List of references on teachers' salaries.

409. Secondary education, by Elmer Ellsworth Brown. Reprint of chapter 12, Report for 1903. Washington, 1909. 253-583 p.

CONTENTS: The colonial period. From the Revolution to the civil war. The high school movement. Current movements and problems.

### 28. SOUTHERN STATES: EDUCATION.

290. The public school problem in the South, by C. W. Dabney. Reprint of chapter 20, p. 1009-1026, Report for 1900-1901.

### 29. SPELLING REFORM.

202. The spelling reform, by Francis A. March. A revision and enlargement of the author's pamphlet published by the U. S. Bureau of education in 1881. Washington, 1893. 86 p. (Circulars of information, 1893, no. 8.)

### 30. SUNDAY SCHOOLS.

241. Sunday schools, by James H. Blodgett. Reprint of chapter 9, p. 319-425, Report for 1896-97.

### 31. TRAINING OF TEACHERS.

118. Educational tours in France, [by Jules Ferry]. Washington, 1880. 4 p.

A translation of a letter of the French minister of public instruction, explaining an interesting method designed to improve the qualifications of teachers in France, namely, the provision of holiday tours of observation for normal students receiving complete certificates.

150. Sketch of the Philadelphia normal school for girls. Washington, 1882. 39 p.

178. Rise and growth of the normal school idea in the United States, by J. P. Gordy. Washington, 1891. 145 p. (Circulars of information, 1891, no. 8.)

Traces the development of the normal idea in this country from 1789 until the founding of the New York college for the training of teachers, including a chapter on chairs of pedagogy in universities.

449. Agencies for the improvement of teachers in service, by William Carl Ruediger. Washington, 1911. 157 p. (Bulletin, 1911, no. 3.)

CONTENTS: Official teachers' gatherings. Teachers' institutes. Summer schools. Extension teaching. Correspondence study. Local teachers' meetings. Visiting days. County superintendents' conferences. Teachers' associations. Teachers' reading circles. Pupils' reading circles. Certification of teachers. Sabbatical years. Special funds for improvement of teachers. The merit system of promotion. Promotional examinations. Classroom efficiency and success grades. Measuring teachers' efficiency. Participation of teachers in the determination of educational policies.



## ✓ 32. UNIVERSITIES AND COLLEGES: STATISTICS.

[See also Higher education.]

331. Universities, colleges, and technological schools. Reprint of chapter 35, p. 1347-1497, Report for 1902.

Contains: Government funds of state institutions, p. 1347-1360. Appointment and functions of officers to the U. S. summary academy, West Point, course of study, p. 1360-1361. Admission of females to the U. S. summary academy, West Point, course of study, p. 1361-1362. U. S. summary statistics, p. 1362-1363.

397. Statistics of state universities and other institutions of higher education partially supported by the state, 1907-8. Washington, 1909. 45 p. (Bulletin, 1908, no. 8.)
427. Statistics of state universities and other institutions of higher education partially supported by the state, 1908-9. Washington, 1909. 45 p. (Bulletin, 1909, no. 11.)
445. Statistics of state universities and other institutions of higher education partially supported by the state, 1909-10. Washington, 1911. 29 p. (Bulletin, 1910, no. 6.)

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